

20030117.qrp v02\_n803.qrl.20030117

Date: Fri, 17 Jan 2003 19:03:09 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2803

QRP-L Digest 2803

Topics covered in this issue include:

- 1) [144783] Do You Use a Foot Switch?  
by <kfglynn@mindspring.com>
- 2) [144784] Re: Need help with email  
by "Mike Yetsko" <myetsko@insydesw.com>
- 3) [144785] Walmart Deal  
by "brian" <brian@iquest.net>
- 4) [144786] Electronics Illustrated article  
by Steve Smith <sigcom@juno.com>
- 5) [144787] Re: Pre-Amps  
by <ac7a@earthlink.net>
- 6) [144788] MultiNEC 2.0  
by "Russ Carpenter" <russ@natworld.com>
- 7) [144789] Email Problem resolved.  
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 8) [144790] AMD AD9834 DDS chip  
by KD5NWA <KD5NWA@cbayona.com>
- 9) [144791] Re: FT-857 designed for Mike Yetsko?  
by "Mike Yetsko" <myetsko@insydesw.com>
- 10) [144792] Re: Pre-Amps  
by "Chris Trask" <chistrask@earthlink.net>
- 11) [144793] FOX: K9DC Final for 9-Jan  
by Dave Gingrich K9DC <gingrich2@dcg.org>
- 12) [144794] RE: Pre-Amps (Norton)  
by Nick Kennedy <nkennedy@tcainternet.com>
- 13) [144795] Re: Need help with email  
by "Damon Raphael \ (w7md\)" <w7md@azstarnet.com>
- 14) [144796] New Elecraft Tech Notes Article  
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 15) [144797] Anyone heard the MN FOX?  
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 16) [144798] Fybo 2003...Rules Change  
by "Bob Hightower" <nk7m@extremezone.com>
- 17) [144799] FOXes !  
by "Alan Fryer" <N3BJ@hotmail.com>
- 18) [144800] BOTH FOXes Out Running  
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 19) [144801] Fox where are you ?

by Michael Taddeo <mike.taddeo@shaw.ca>  
20) [144802] FOX: Twofer  
by W2AGN <w2agn@w2agn.net>  
21) [144803] FOX  
by "Merton Nellis" <mertnellis@msn.com>  
22) [144804] Will be in J75 next week  
by "Mike Rioux" <mike@rioux.org>  
23) [144805] Only 1 fox worked  
by Fred Lesnick <flesnick@tbaytel.net>  
24) [144806] Re: Do You Use a Foot Switch?  
by "aluscre" <"aluscre"@neo.rr.com>  
25) [144807] Re: Fox - Tough night  
by Tim Pettibone <k5oi@cox.net>  
26) [144808] Re: Do You Use a Foot Switch?  
by "George, W5YR" <w5yr@att.net>  
27) [144809] Re: Pre-Amps  
by Ed Tanton <n4xy@earthlink.net>  
28) [144810] Fw: Anyone heard the MN FOX?  
by "Jerry Ford" <benlightnd13@mchsi.com>  
29) [144811] Re: Do You Use a Foot Switch?  
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>  
30) [144812] QRPacificon 2003 - Hot News!  
by "Dave Fifield" <dave@redhotradio.com>  
31) [144813] Re: Do You Use a Foot Switch?  
by Bob Nielsen <nielsen@oz.net>  
32) [144814] Re: K8RA paddles  
by "Tom Palmer" <n1tp@swfla.rr.com>  
33) [144815] Thinking of creating my own kit(s)  
by "Jason Hissong" <jhisson1@columbus.rr.com>  
34) [144816] Re: Do You Use a Foot Switch?  
by "Karl F. Larsen" <k5di@zianet.com>  
35) [144817] APRS and ARRL contests  
by Alex <kr1st@amsat.org>  
36) [144818] Electronic keyer FS  
by "Ken Simpson, W8EK" <W8EK@fdt.net>  
37) [144819] Re: Do You Use a Foot Switch?  
by Bruce Rattray <rattray@gpfn.sk.ca>  
38) [144820] WTB: Hammarlund MC-35-S Variable Capacitor  
by "Freeberg, Scott (STP)" <Scott.Freeberg@guidant.com>  
39) [144821] Re: Pre-Amps  
by "Brad Hernlem" <alihernlem@hotmail.com>  
40) [144822] Re: Thinking of creating my own kit(s)  
by David Hinerman <WD8CIV@worldnet.att.net>  
41) [144823] Foot switch  
by <igeq100@iupui.edu>  
42) [144824] Wanted: THP-750  
by "Jim" <ku4qw@yahoo.com>  
43) [144825] Need F114-61 toroid

- by VA3TO <hduff@rogers.com>
- 44) [144826] Re: APRS and ARRL contests  
by Paul Womble <pwomble1@tampabay.rr.com>
- 45) [144827] BPSK & Class E?  
by David Hinerman <WD8CIV@worldnet.att.net>
- 46) [144828] FOX: Wondering  
by "Karl F. Larsen" <k5di@zianet.com>
- 47) [144829] switching power supply coupon special at RS  
by Jim Giammanco <giamman@rouge.phys.lsu.edu>
- 48) [144830] Re: BPSK & Class E?  
by "Chris Trask" <chistrask@earthlink.net>
- 49) [144831] Re: BPSK & Class E?  
by "Ian Wilson" <ianmwilson@earthlink.net>
- 50) [144832] Re: Pre-Amps  
by KD5NWA <KD5NWA@cbayona.com>
- 51) [144833] Clarification, please.  
by W2AGN <w2agn@w2agn.net>
- 52) [144834] Re: Pre-Amps  
by "Chris Trask" <chistrask@earthlink.net>
- 53) [144835] Correction..FT114-61 core needed  
by VA3TO <hduff@rogers.com>
- 54) [144836] Re: APRS and ARRL contests  
by Brian Short <bshort4@cox.net>
- 55) [144837] FOX Log N0UR  
by "Jim N0UR" <n0ur@attbi.com>
- 56) [144838] FS Mfj 15 meter Cub  
by "John" <jdorson@worldshare.net>
- 57) [144839] Re: Pre-Amps  
by "Bob Tellefsen" <n6wg@earthlink.net>
- 58) [144840] Re: Do you use a footswitch?  
by "Merton Nellis" <mertnellis@msn.com>
- 59) [144841] Simple Class E Tx for Sidekick  
by Steven Weber <kd1jv@moose.ncia.net>
- 60) [144842] WW QRP Top List  
by "Oleg V. Borodin" <master72@lipetsk.ru>
- 61) [144843] Re: switching power supply coupon special at RS  
by Jerry Lofstead <w3cde@bellsouth.net>
- 62) [144844] Re: QRPacificon 2003 - Hot News!  
by "Bruce Shaw AG4NY" <ag4ny@ivwnet.com>

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Date: Thu, 16 Jan 2003 14:46:50 -0500  
From: <kfglynn@mindspring.com>  
To: njqrp@njqrp.org, qrp-l@lehigh.edu  
Subject: [144783] Do You Use a Foot Switch?  
Message-ID: <Springmail.0994.1042746410.0.81756800@webmail.atl.earthlink.net>

Hi gang,

I want to purchase a foot switch and was wondering if anyone bothers, with most of being CW ops and all.

Heil offers two but I can't seem to find much else out there.

Thanks for the help.

72 Kevin N2TO  
Brooklyn, NYC  
kfglynn@mindspring.com

-----  
Date: Thu, 16 Jan 2003 15:04:43 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <ki6ds@dph.dpol.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [144784] Re: Need help with email  
Message-ID: <002001c2bd9a\$850e10e0\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> Guys a couple of weeks ago I tried to download an email that contained  
an  
> executable file. (A company had donated some palm pilot software to my  
> students). Our ISP blocks this, but I did not know it. I got a  
message to  
> change something, and I did. Now, I find that I can only get email  
> attachments that are word files. All others are blocked by whatever I  
did.  
> The guy next to me gets the same file that I can't get. Oh, I am using  
> outlook express and when I get a file attached to an email, I see a  
paper  
> clip. When I click on the paper clip, it is grey, and will not let me  
save  
> or open it. Can anyone help me???? Thanks, Doug  
>

Tools... Options... Security... Two dots then two squares, the second  
square...

-----

Date: Thu, 16 Jan 2003 15:06:27 -0500  
From: "brian" <brian@iquest.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>, "Flying Pigs" <fpqrp-l@fpqrp.com>  
Subject: [144785] Walmart Deal  
Message-ID: <000701c2bd9a\$c22d30f0\$3564030a@bmurrey2K>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I was just at Wally World. They have the Rinpoche Ni-MH Smart charger with 4 each 1800 mAh AA cells for \$9.98 - rated at 1.2vdc and 1800 mAh

I've been using these batteries in my digi cam since before Christmas, I have probably a 100 or so charges on them and they seem to be holding up pretty well.

I bought another one today so now I have an even dozen batteries and two chargers.

Anyway....just thought I'd drop a note about it. They were in the electronics area by the digi cams.

Made in China, your mileage may vary...I have no financial interest in this company, if I did I'd raise the price.

=====  
KB9BVN/QRP - New Whiteland IN - EM69WN  
QRP-ARCI #10223 QRP-L #1540 FIST #5695  
FISTS CC #764 - Proud Member ARRL  
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W  
INTO INFAMOUS AF4PS ATTIC DIPOLE  
SOC #400 AND FLYING PIGS QRP #-57  
=====

-----

Date: Thu, 16 Jan 2003 12:23:32 -0800  
From: Steve Smith <sigcom@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [144786] Electronics Illustrated article  
Message-ID: <20030116.122332.-377041.7.sigcom@juno.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Looking for someone with a copy of Sept. 1963 Electronics Illustrated from whom I can mooch the article entitled "250-Watt Antenna Tuner". I am resurrecting my nostalgia Novice station and want to use that tuner with my original 4 Watt 6L6 rig. TNX

73.....Steve Smith WB6TNL  
Oxnard, CA USA  
"Snort Rosin"

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-----  
Date: Thu, 16 Jan 2003 12:22:38 -0800  
From: <ac7a@earthlink.net>  
To: [chistrask@earthlink.net](mailto:chistrask@earthlink.net)  
Cc: Low Power Amateur Radio Discussion <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>  
Subject: [144787] Re: Pre-Amps  
Message-ID: <Springmail.0994.1042748558.0.93537100@webmail.pas.earthlink.net>

Chris,

Sometimes I answer technical questions here just so that the truly knowledgeable will step forward. Then I learn something too.

Your augmentation methods do appear to provide superior dynamic performance, at lower DC power levels than the simpler, non-augmented circuits that many of us employ. However, the increased complexity of your designs might be an issue for someone trying to keep things simple.

Regards, Thomas - AC7A (Tucson)

On Thu, 16 Jan 2003 08:08:29 -0700 Chris Trask <[chistrask@earthlink.net](mailto:chistrask@earthlink.net)> wrote:

> Not necessarily true. The input and output  
> impedances of the Norton

> amplifier are entirely dependent on the turns  
> ratio of the transformer.

>  
> I can get much better IMP3, P1dB, and NF  
> performance by using  
> augmentation. There is a schematic for an  
> augmented Norton amplifier on my  
> webpage.

>  
> Chris

>  
> ,------. High  
> Performance Mixers and  
> / What's all this \ Amplifiers  
> for RF Communications  
> / extinct stuff, anyhow? /  
> \ -----' Chris  
> Trask / N7ZWY  
> \_ |/  
> Principal Engineer  
> oo\ Sonoran  
> Radio Research  
> (\_\_) \ P.O.  
> Box 25240  
> \ \ . ' \ . Tempe,  
> Arizona 85285-5240  
> \ \ / \  
> \ ' " \ IEEE  
> Member #40274515  
> . ( ) \  
> '-| )\_\_| :. \ Email:  
> christrask@earthlink.net  
> | | | | \ '  
> http://www.home.earthlink.net/~christrask  
> c\_\_; c\_\_; '-..'>.\_\_  
>  
> Graphics by Loek  
> Frederiks

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Date: Thu, 16 Jan 2003 12:35:21 -0800  
From: "Russ Carpenter" <russ@natworld.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [144788] MultiNEC 2.0  
Message-ID: <000101c2bd9e\$ce7e95c0\$1eacfea9@RussThinkpad>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I've been serving as a beta tester for a program called MultiNEC 2.0, which is now ready for distribution. I think it is a remarkable example of high quality software written by a fellow ham (AC6LA), aimed at solving real world antenna and transmission line issues. Here are some words from the blurb on AC6LA's web site. <http://www.qsl.net/ac6la/>

"Run multiple simulations of an antenna while changing the model automatically between runs. Adjust multiple parameters using variables and equations. Import multiple types of models and use multiple types of calculating engines."

"MultiNEC can be used by itself if you like, but it really shines when used in conjunction with your existing antenna modeling program. MultiNEC works with EZNEC Standard, EZNEC-M Pro, EZNEC/4 Pro, NEC-Win Plus+, NEC-Win Pro, GNEC, Antenna Model"

MultiNEC also interfaces very effectively with VOACAP, the amazing propagation software kindly provided for public distribution by Uncle Sam.

I have no business or personal relationship with MultiNEC or its developer.

Russ Carpenter, AA7QU

-----  
Date: Thu, 16 Jan 2003 12:37:02 -0800  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [144789] Email Problem resolved.  
Message-ID: <005801c2bd9f\$096726c0\$4a0b0d0a@dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

My email problems have been solved. Thank you for the reponses. 72, Doug

-----  
Date: Thu, 16 Jan 2003 16:29:44 -0600



From: KD5NWA <KD5NWA@cbayona.com>  
To: Qrp-l@lehigh.edu  
Subject: [144790] AMD AD9834 DDS chip  
Message-ID: <5.2.0.9.0.20030116162402.00a809c8@mail.arkansasusa.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Is anyone who has used the AMD AD9834 DDS care to share your experiences with it?

It is a very inexpensive DDS chip with 20 mw power dissipation, good to about 15 Mhz out, it would seem like a good chip for a portable radio.

Cecil  
KD5NWA

-----  
Date: Thu, 16 Jan 2003 17:39:15 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [144791] Re: FT-857 designed for Mike Yetsko?  
Message-ID: <002301c2bdb0\$1add4e00\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For those on the list that HAVEN'T seen the 'private' discussions on this, or taken the time to download the manual...

It appears that the FT-857 is of the same 'flavor' as the FT-897 in that it's designed for 'emergency transportable service'.

By that I mean the radio has it's steroids and all it can take for normal 'wired in' operation. But when you need to have a 'grab and go' radio that has SHORT TERM power selfcontained with the unit, it can do it.

The FT-857 has an optional internal battery pack that is NOT mentioned in the ads. When run off the internal pack, the radio now has a MAX power output of 20W on all bands (I think) except for 450Mhz, which has 10W.

Granted, it probably won't run long on internal batteries, but then, I

don't

believe the unit was designed to be a 'battery powered portable'. It's more of a 'bridge battery' for a transportable radio until another power source can be set up.

With that in mind, the radio seems to be really nice.

And, as I pointed out, if it has 'normal' 100W finals and you are dialing back to 20W on batteries, they've gotta be pretty immune to the casual mismatch!

Overall, I'd say the radio looks pretty darn nice!

(Yes, it apparantly DOES have US NOAA WX!)

Mike

-----  
Date: Thu, 16 Jan 2003 16:21:50 -0700  
From: "Chris Trask" <chistrask@earthlink.net>  
To: <ac7a@earthlink.net>  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [144792] Re: Pre-Amps  
Message-ID: <024c01c2bdb6\$0d9102e0\$94859e40@ctrask>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

> Chris,  
>  
> Sometimes I answer technical questions here just so that the truly  
> knowledgeable will step forward. Then I learn something too.  
>  
> Your augmentation methods do appear to provide superior dynamic  
> performance, at lower DC power levels than the simpler,  
> non-augmented circuits that many of us employ. However, the  
> increased complexity of your designs might be an issue for  
> someone trying to keep things simple.  
>

If they don't mind using ten times the DC power to get the same IMP3 and P1dB performance, while sacrificing the NF performance, then they are welcome to do so. Adding a two-winding transformer (which can be purchased) to a circuit that already requires a more demanding 3-winding transformer (which has to be hand-made) is not great step in complexity, so I cannot

envision how anyone will take issue with that if they are more concerned with performance.

There is a fellow in Britain who complained bitterly about my use of transformers in my linearized mixers, while at the same time his mixers with far less performance used the same number of transformers at the same cost. His other complaint was that it was difficult, if not impossible, for people to make their own, which simply is not the case. It's more a matter of ability and applying yourself that matters.

Good performance in amplifiers and mixers does not require excessive power consumption or exotic parts, just good circuit design techniques.

I also get over 95% peak power efficiency in my power amplifiers by using augmentation. Do you suppose that people will avoid that increase in efficiency because there is one additional transformer in the design? I hope not, especially with all the noise that those demanding higher efficiency are making.

Chris

```

      ,-----,
      /  What's all this  \
      / extinct stuff, anyhow? \
      \-----,-----'
      |//
oo\
(--) \
      \  . ' .
      \  ' '
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      \  ( )
      \  '-| )__| :. \
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      c__; c__; ' -.. '> .__

```

High Performance Mixers and  
Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: [chistrask@earthlink.net](mailto:chistrask@earthlink.net)  
<http://www.home.earthlink.net/~chistrask>

Graphics by Loek Frederiks

-----  
Date: Thu, 16 Jan 2003 19:10:29 -0500  
From: Dave Gingrich K9DC <[gingrich2@dcg.org](mailto:gingrich2@dcg.org)>  
To: Low PowerDiscussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [144793] FOX: K9DC Final for 9-Jan  
Message-ID: <15F57081-29B0-11D7-9C3E-000393C78314@dcg.org>  
Mime-Version: 1.0 (Apple Message framework v551)  
Content-Type: text/plain; charset=US-ASCII; format=flowed

Content-Transfer-Encoding: 7bit

Final Fox log for Jan-9 de K9DC

0201	K5EOA	559	LA	Wayne	5W
0202	K5DW	559	TX	DON	5W
0202	K4FB	559	FL	Paul	5W
0204	AA50	559	LA	Vern	5W
0204	VE5RC	559	SK	Bruce	5W
0205	K5OI	559	OK	Tim	5W
0206	K5DI	559	NM	Karl	5W
0207	W5YR	559	TX	George	5W
0207	K0FRP	599	CO	Al	5W
0208	K3IU	559	RI	Ken	5W
0209	W5USJ	559	TX	Chuck	5W
0209	NM5M	559	TX	Eric	5W
0210	N4BP	559	FL	Bob	5W
0212	K5JHP	559	TX	BILL	5W
0212	N5IB	559	LA	JIM	5W
0213	VE6EX	559	AB	DAN	5W
0214	W5TB	559	TX	DOC	5W
0215	K5ZTY	559	TX	BILL	5W
0216	KK5LD	559	TX	DAN	5W
0217	N1FN	559	CO	ET	5W
0218	K0EVZ	559	ND	DOC	5W
0219	AC5JH	559	OK	TOM	5W
0220	AG0T	559	ND	TODD	5W
0221	KB7WW	559	OR	ART	5W
0222	K5SR	559	TX	DALE	5W
0223	VA6RF	559	AB	EARL	5W
0224	N5ZE	559	TX	LEW	5W
0225	NQ7X	559	AZ	FLOYD	5W
0226	KR0U	559	CO	TIM	5W
0228	N1TP	559	FL	TOM	5W
0228	K4BYF	559	FL	JACK	3W
0229	KC1FB	559	CT	JIM	500mw
0230	WA8NTA	559	CO	DICK	5W
0231	KD5CMN	559	TX	MIKE	5W
0232	N7XY	559	WA	BOB	5W
0233	W5KDJ	559	TX	WAYNE	600mw
0234	WR50	559	TX	DAVE	5W
0234	VE7HHH	559	BC	BLAIR	5W
0235	KI0II	579	CO	RON	1W
0237	K6MMC	559	CA	MIKE	5W
0240	K6VNX	559	CA	ARLEN	5W
0242	N0RC	599	CO	ROB	5W
0245	K7TQ	559	ID	RANDY	5W
0253	W2RBA	599	NY	JOE	5W

0254	VE4WI	559	MB	CRAIG	5W
0255	W9XU	559	WI	LON	5W
0257	N0SG	559	CO	JASON	5W
0258	N4ROA	559	VA	DAN	5W
0300	N2WW	559	CO	LARRY	5W
0304	VE6JAZ	559	AB	ROB	5W
0308	WA9TZE	339	WI	JIM	5W
0310	K1KID	559	MA	CARL	4W
0314	AC7A	559	AZ	TOM	5W
0327	AL0A	559	ME	GREG	2W
0339	VA6MJT	559	AB	MIKE	5W
0343	N0EK	559	ND	ED	2W
0346	W2XN	559	FL	FRED	5W
0346	N7CQR	559	OR	DAN	5W
0357	NN1F	559	NH	ARON	4W
0400	N3BJ				
0400	K9DC				

=====

Dave Gingrich, K9DC  
Indianapolis, Indiana USA  
Dave@dcg.us

=====

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Date: Thu, 16 Jan 2003 18:39:00 -0600  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-1@Lehigh.EDU>  
Subject: [144794] RE: Pre-Amps (Norton)  
Message-ID: <01C2BD8E.89DD90C0.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I thought the input impedance was equal to that of the connected load--at least with the ratios typically used ( $n = m^2 - m - 1$ ).

I'm not sure how you'd define the output resistance; I'd bet that it's high, because you're looking back toward the collector.

Someone (Glen Leinweber) once told me that the impedance looking into the collector is high. (Discussing switching in capacitance with transistors.) After some head scratching, that seemed right, because  $I_c$  isn't much dependent on  $V_c$ --it's a function of  $I_b$ . I fooled with some SPICE views of this today, but got conflicting results. More head scratching (and maybe

experimenting with \*real\* parts) will be required.

72--Nick, WA5BDU

On Thursday, January 16, 2003 9:08 AM, Chris Trask

[SMTP:chistrask@earthlink.net] wrote:

> << File: ATT00010.txt; c>

> The big advantage of the Norton amp is the input and output

> impedance is quite close to 50 Ohms, and it is a broadband

> enough to cover the entire H.F. range (and then some). A

> properly biased Norton amp will have a high 1dB compression

> point, and 3rd-order intercept.

>

Not necessarily true. The input and output impedances of the Norton amplifier are entirely dependent on the turns ratio of the transformer.

Chris

-----  
Date: Thu, 16 Jan 2003 17:43:04 -0700

From: "Damon Raphael \(\w7md\)\" <w7md@azstarnet.com>

To: <ki6ds@dph.dpol.net>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [144795] Re: Need help with email

Message-ID: <001501c2bdc1\$65b39180\$3009c5a9@uswest.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

If you are using Outlook Express, go to Tools>Options>Security and uncheck the box which prevents attachments from being opened. You probably downloaded an update from Microsoft recently which attempts to add security for the unwary.

Hope this helps.

Damon, W7MD

----- Original Message -----

From: "Doug Hendricks" <ki6ds@dph.dpol.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, January 16, 2003 11:12 AM

Subject: Need help with email

> Guys a couple of weeks ago I tried to download an email that contained an  
> executable file. (A company had donated some palm pilot software to my  
> students). Our ISP blocks this, but I did not know it. I got a message  
to  
> change something, and I did. Now, I find that I can only get email  
> attachments that are word files. All others are blocked by whatever I  
did.  
> The guy next to me gets the same file that I can't get. Oh, I am using  
> outlook express and when I get a file attached to an email, I see a paper  
> clip. When I click on the paper clip, it is grey, and will not let me  
save  
> or open it. Can anyone help me???? Thanks, Doug  
>

-----  
Date: Thu, 16 Jan 2003 16:00:36 -0800  
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
To: elecraft@mailman.qth.net, QRP-L <qrp-l@lehigh.edu>,  
GQRP <gqrp@groups1.vip.scd.yahoo.com>  
Cc: dave@astromag.co.uk  
Subject: [144796] New Elecraft Tech Notes Article  
Message-ID: <3E2747A4.4030408@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

We have just added a new article, 'Using the Elecraft K2 with a Microwave  
modules MMT144/28 Transverter' by Dave Johnson, G4AON, to the Tech Notes  
section on <http://www.elecraft.com>

Thank you Dave for the great article!

73, Eric WA6HHQ

-----  
Date: Thu, 16 Jan 2003 20:10:33 -0600  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [144797] Anyone heard the MN FOX?  
Message-ID: <412003151721033819@earthlink.net>  
MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Gang:

Found ET N1FN the FOX right away, but no sign of the MN FOX as of 0210.  
Anyone hearing him yet? Fingers crossed. GL everyone.

73,

--Doc/K0EVZ

-----  
Date: Thu, 16 Jan 2003 19:13:06 -0700  
From: "Bob Hightower" <nk7m@extremezone.com>  
To: <qrp-1@lehigh.edu>  
Subject: [144798] Fybo 2003...Rules Change  
Message-ID: <000001c2bdcd\$fcb486f0\$1c4998d0@Bobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

Due to popular request, we have decided to allow multi-multi stations,  
CLUB stations, and will accept logs from them for FYBO 2003.

After all, this is for fun, right?

Please mark logs and envelopes clearly with "MULTI-MULTI"

Bob NK7M

-----  
Date: Thu, 16 Jan 2003 21:27:46 -0500  
From: "Alan Fryer" <N3BJ@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [144799] FOXes !  
Message-ID: <0E23361bU1PywZydWrX000028bd@hotmail.com>  
MIME-Version: 1.0



Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

N1FN is at about 7038.2 and N0UR is at about 7041.2, both with decent  
sigs...

Alan, N3BJ  
Bent Mountain, VA

-----  
Date: Thu, 16 Jan 2003 20:33:56 -0600  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [144800] BOTH FOXes Out Running  
Message-ID: <412003151723356156@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Both FOXes are out and running fast this evening. ET N1FN is right on  
7.038 listening up, and was a good 599 right toward the start of the hunt.  
Jim N0UR is on 7.041.5 and listening up just a bit. At 0232 he is suddenly  
up to 589/599, and calling CQ FOX. This could be a double pelt evening.

73,  
--Doc/K0EVZ

-----  
Date: Thu, 16 Jan 2003 19:32:15 -0700  
From: Michael Taddeo <mike.taddeo@shaw.ca>  
To: Fox Hunt <qrp-l@Lehigh.EDU>  
Subject: [144801] Fox where are you ?  
Message-ID: <3E276B2F.20046118@shaw.ca>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7BIT

Any sign of the foxes yet ? I hear a lot of stations but nothing I need to skin.

--

-----  
Michael Taddeo  
mike.taddeo@shaw.ca  
ICQ# 221086  
VA6MJT  
HTTP://www.apothecarytech.ca/va6mjt  
-----

-----  
Date: Thu, 16 Jan 2003 22:04:38 -0500  
From: W2AGN <w2agn@w2agn.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [144802] FOX: Twofer  
Message-ID: <3E272C76.3585.11A6B58@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

Made up for last weeks skunking, anyway.

One thing about a "moderated list." It sure eliminates any "fox spotting."

---

+---+---+---+---+ John L. Sielke  
|W||2||A||G||N| http://www.w2agn.net [UPDATED]  
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-----  
Date: Thu, 16 Jan 2003 21:07:33 -0600  
From: "Merton Nellis" <mertnellis@msn.com>  
To: qrp-1@lehigh.edu  
Subject: [144803] FOX  
Message-ID: <F12wpGR881Np7vXee4f00000388@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Well, the conditions were a little bit better than last week. Managed to catch both foxii but my neighbor Jim, N0UR made it difficult. He must have changed antennas or increased power at about 0245 because, all of a sudden, he was loud enough to work and was taking them on freq., so followed and made it. I guess that's the fun, you never know what the hunt will bring.  
72/73 Mert W0UFO MNQRP

---

MSN 8: advanced junk mail protection and 2 months FREE\*.  
<http://join.msn.com/?page=features/junkmail>

---

Date: Fri, 17 Jan 2003 03:55:50 -0000  
From: "Mike Rioux" <mike@rioux.org>  
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>  
Subject: [144804] Will be in J75 next week  
Message-ID: <005301c2bddc\$561d97f0\$9732a8c0@toshiba>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

I will be QRV in Dominica next week (1/21-1/28) as J75RN. If anyone would like a sked, QRP or not, please send me an email and I'll try to make the contact. SSB or PSK is OK, also CW via J75PL.  
73, Mike W1USN

---

Date: Thu, 16 Jan 2003 22:56:10 -0500  
From: Fred Lesnick <flesnick@tbaytel.net>  
To: QRPL <qrp-l@Lehigh.EDU>, QRP Canada <qrp-canada@neale.gpfn.sk.ca>  
Subject: [144805] Only 1 fox worked  
Message-ID: <3E277EDA.DB08FC48@tbaytel.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Only worked and heard ET tonight...  
Got in from the first ham class for the evening with a half hour of the

hunt to go, was hoping bands would be in my favour, but 1 is better then none.....

Fred  
VE3FAL

-----  
Date: Thu, 16 Jan 2003 23:02:16 -0500  
From: "aluscre" <"aluscre"@neo.rr.com>  
To: kfglynn@mindspring.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [144806] Re: Do You Use a Foot Switch?  
Message-ID: <200301170401.h0H41e017258@clmboh1-smtp3.columbus.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

I found a used sewing machine foot switch. It is a shallow "V" shape, has two separate switches, is much smooth operating than the Heil and stays put

kfglynn@mindspring.com wrote:

>Hi gang,  
>  
>I want to purchase a foot switch and was wondering if anyone bothers, with  
>most of being CW ops and all.  
>  
>Heil offers two but I can't seem to find much else out there.  
>  
>Thanks for the help.  
>  
>72 Kevin N2T0  
>Brooklyn, NYC  
>kfglynn@mindspring.com  
>  
>  
>

--  
|-----|  
| Anthony A. Luscre  
| K8ZT  
Stow, Ohio
Visit My Website at
<http://www.qsl.net/k8zt>

|-----|

-----  
Date: Thu, 16 Jan 2003 22:08:25 -0600  
From: Tim Pettibone <k5oi@cox.net>  
To: qrp-l@lehigh.edu  
Subject: [144807] Re: Fox - Tough night  
Message-ID: <5.1.0.14.0.20030116220355.00ba8d10@pop.central.cox.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang - that was tough. Both foxii were in the noise the entire night. Did snag Jim earlier but didn't get confirmation so was still tracking him down for awhile. When he poked his head out, grabbed him (again) and got QSO B4, which ain't all bad. Then, hadn't heard ET all night. Got him, according to my clock, at 035943 - a close one. And he really wasn't 559!

OT - Off to Vietnam on Saturday for a 10 day business trip. Wish I could take a radio but not enough lead time. Will miss foxes next week.

Tim K5OI  
Stillwater, OK

-----  
Date: Thu, 16 Jan 2003 22:19:12 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: <"aluscre"@neo.rr.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [144808] Re: Do You Use a Foot Switch?  
Message-ID: <00d701c2bddf\$a2612f70\$0201a8c0@dell>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Many music stores carry portable foot peddles or switches used with electronic keyboards as expression controls, etc. These come in either NO or NC and the more expensive ones can be switched from one mode to the other. Most modern keyboards also are capable of recognizing the mode of the peddle and accommodating to it.

These are usually pretty heavy duty both in construction and price - typically \$25 and up. Brands are Roland, Yamaha, Korg, etc.

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

In the 58th year and it just keeps getting better!

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe

ARRL NETXQRP NORTEX QRP-L SOC 10-X

----- Original Message -----

From: "aluscre" <"aluscre"@neo.rr.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Thursday, January 16, 2003 10:02 PM

Subject: Re: Do You Use a Foot Switch?

> I found a used sewing machine foot switch. It is a shallow "V" shape,  
> has two separate switches, is much smooth operating than the Heil and  
> stays put

>

> kfglynn@mindspring.com wrote:

>

> >Hi gang,

> >

> >I want to purchase a foot switch and was wondering if anyone bothers,  
with

> >most of being CW ops and all.

> >

> >Heil offers two but I can't seem to find much else out there.

> >

> >Thanks for the help.

> >

> >72 Kevin N2T0

> >Brooklyn, NYC

> >kfglynn@mindspring.com

> >

> >

> >

>

> --

> |-----|

> Anthony A. Luscre

> K8ZT

> Stow, Ohio

> |-----|

> Visit My Website at

> <http://www.qsl.net/k8zt>

> |-----|

>  
>  
>

-----  
Date: Thu, 16 Jan 2003 23:38:21 -0500  
From: Ed Tanton <n4xy@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [144809] Re: Pre-Amps  
Message-ID: <5.2.0.9.2.20030116233148.01e2ca70@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Just my two cents... but the very nice preamp on Dr T's website  
<<http://www.home.earthlink.net/~chistrask>> looks pretty easy to me... at  
least, as easy, as most designs I've seen. The conversion from the  
Fair-Right 2843-002-402 core to FT43/whatever might pose a small problem,  
but I'm sure it'll be SOMEWHERE.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY  
189 Pioneer Trail  
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

-----  
Date: Fri, 17 Jan 2003 22:45:57 -0600  
From: "Jerry Ford" <benlightnd13@mchsi.com>  
To: "qrp-l" <qrp-l@Lehigh.EDU>  
Subject: [144810] Fw: Anyone heard the MN FOX?  
Message-ID: <00b101c2beac\$7ebf16e0\$f374da0c@mchsi.com>

I found him!                    Worked him about 03:10 but couldn't hear anyone else. The band was really quite until I noticed that I had 20db attenuation on the rig. OOPS  
I figure N0UR must have had a whopper of a signal here for me to have worked him.  
Hope everyone else did well and had fun:

72        Jerry            N0JRN  
----- Original Message -----

From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, January 16, 2003 8:10 PM  
Subject: Anyone heard the MN FOX?

> Gang:  
>  
> Found ET N1FN the FOX right away, but no sign of the MN FOX as of 0210.  
> Anyone hearing him yet? Fingers crossed. GL everyone.  
>  
> 73,  
> --Doc/K0EVZ  
>  
>  
>  
>  
>  
>  
>  
>  
>

-----  
Date: Thu, 16 Jan 2003 20:50:40 -0800  
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>  
To: <kfglynn@mindspring.com>,  
      "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [144811] Re: Do You Use a Foot Switch?  
Message-ID: <002601c2bde4\$03816500\$b93ecd18@charterpipeline.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Kevin



I use the Heil footswitch and Heil Headset-boom MICs in concert with PTT circuits on FT-817, FT-847 and IC-725. None of those three rigs has VOX, and so without the FOOTSWITCH, transmitting on SSB requires throwing a switch on the rig's front panel.

In contesting situations, when I need both hands to type on the computer, the footswitch is a real help!

The footswitches are not needed for CW as all three rigs have a form of break-in which is activated by paddle or key.

Best 72/73 de alan

Alan Kaul, W6RCL, LaCanada, CA  
w6rcl@amsat.org  
<http://home.att.net/~alan.kaul/index.html>

-----  
Date: Thu, 16 Jan 2003 21:02:32 -0800  
From: "Dave Fifield" <dave@redhotradio.com>  
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Subject: [144812] QRPacificon 2003 - Hot News!  
Message-ID: <000401c2bde5\$a4792b40\$0a00a8c0@AD6A>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I just heard on a local 70cm repeater that Pacificon 2003 is going to be on the weekend of 16/17/18 October (as usual) but that the BIG news is that it's moving!

It will be held at the Marriott Hotel in San Ramon!

<http://www.interamerika.com/USA-California-SanRamon-MarriottHotel-SanRamon.htm>

This is a MUCH better venue IMO - not far from the old venue, but with more space, rooms, parking, facilities etc. Make your reservations early - this year's QRPacificon will be one not to miss!

Cheers es 72,  
Dave Fifield  
AD6A

-----  
Date: Thu, 16 Jan 2003 22:11:44 -0800  
From: Bob Nielsen <nielsen@oz.net>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [144813] Re: Do You Use a Foot Switch?  
Message-ID: <20030117061144.GA5925@n7xy.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Thu, Jan 16, 2003 at 02:46:50PM -0500, kfglynn@mindspring.com wrote:

> Hi gang,  
>  
> I want to purchase a foot switch and was wondering if anyone bothers, with  
> most of being CW ops and all.  
>  
> Heil offers two but I can't seem to find much else out there.  
>  
> Thanks for the help.  
>  
> 72 Kevin N2TO  
> Brooklyn, NYC  
> kfglynn@mindspring.com

Giving QLF a try, eh?

Radio Shack has a foot switch. I have one I won in a drawing at a local club meeting, but I have never used it.

73, Bob

--  
Bob Nielsen, N7XY  
Bainbridge Island, WA  
IOTA NA-065, USI WA-028S  
n7xy@n7xy.net

-----  
Date: Fri, 17 Jan 2003 05:36:34 -0500  
From: "Tom Palmer" <n1tp@swfla.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [144814] Re: K8RA paddles  
Message-ID: <000301c2be14\$4f08df00\$6b2a0843@swfla.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

This beautiful paddle has been rated 27 times on "eHam Reviews"

All 27 reviewers gave it the best rating possible: "5 for 5"

The reviews are impressive, especially for a paddle listed at \$75.00

Tom, N1TP  
Naples, Florida

-----  
Date: Fri, 17 Jan 2003 06:18:27 -0500  
From: "Jason Hissong" <jhisson1@columbus.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [144815] Thinking of creating my own kit(s)  
Message-ID: <008b01c2be1a\$2862dcb0\$6e01a8c0@procyon>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi guys,

The XYL is really into scrapbooking and she is starting down the road of making scrapbooking "kits" to sell on Ebay. This gave me a little motivation to try my hand at doing something similar with amateur radio. While I am not looking to make much money on this, it would simply be for the experience and my own enjoyment. I recently purchased a used IC746 and built my own level converter for it. Used a circuit published on the internet and I built it from a standard Radio Shack breadboard. I pretty much built from the schematic and was soldering old clip leads for circuit traces on the board. I had a blast! I want to go to the next level and start designing a circuit board for this. So I am going to pick up a Radio Shack board etcher to try my hand at it.

Well, I know a couple of hams that own Icom radios and was thinking about building/assembling the level converters for them to test my design. I then want to go to the next level and distribute them as kits. And maybe sell them for like 10.00 or something.

I know you are asking what does this have to do with QRP? Well, this would be a first step (although a little one) towards making other kits available. I know there are many great kits out there and I am sure that level

converters are not high on the list of "have to have" kits. This is really for my own enjoyment and experience. And because this is a simple circuit, it will allow me to get a good start.

My questions are:

1. If you are using a circuit that someone else designed, are there royalty fees involved? I would give the designer credit for their design.
2. I have the ExpressPCB software installed and may just use them for making the boards. Is there a way to get a couple of them ordered only for testing circuit designs? I am used to software which is easy to revise if needed. However, boards are new to me and revising them is not as easy/cheap.

Thanks guys,

I hope to start down this path and eventually go to bigger, better, QRP related things...

72,  
Jason Hisson  
N8XE

-----  
Date: Fri, 17 Jan 2003 05:31:46 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: kfglynn@mindspring.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [144816] Re: Do You Use a Foot Switch?  
Message-ID: <Pine.LNX.4.44.0301170524170.1533-1000000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Kevin, around here somewhere I still have the foot switch I made in about 1965. It was a labor of love and was two peices of 1/4 inch plywood about 6 by 8 inches each connected at one end by a door hinge. I had a war surplus microswitch bolted near the other end. A peice of a spring keeps it open.

When I used that it was fun. Step on the footswitch and relays clattered and the lights dimmed...:-)

I don't need it for my FT-817. It switches automatically.

On Thu, 16 Jan 2003 kfglynn@mindspring.com wrote:

> Hi gang,  
>  
> I want to purchase a foot switch and was wondering if anyone bothers, with  
> most of being CW ops and all.  
>  
> Heil offers two but I can't seem to find much else out there.  
>  
> Thanks for the help.  
>  
> 72 Kevin N2TO  
> Brooklyn, NYC  
> kfglynn@mindspring.com  
>

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

-----  
Date: Fri, 17 Jan 2003 09:21:30 -0500  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [144817] APRS and ARRL contests  
Message-ID: <3E28116A.F7E5BDE1@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Hi there,

Just a word of caution for you folks who run APRS during ARRL contests, like the upcoming VHF sweepstakes. I just learned from the APRSSIG that Dan Henderson, N1ND, ARRL Contest Branch Manager, has indicated that the "Use of APRS violates the rules against Self Spotting during a contest and is not permissible".

It's a shame that the ARRL does not allow you to stay in touch with a network intended for emergency communications if you want to participate in ARRL contests, but that's the rule. (General Rules for All ARRL Contests, rule 3.1.4) I never realized that my APRS station could disqualify me from their contests, so I thought I'd pass this along since there are quite a few testers on this list.

73,

--Alex KR1ST

-----  
Date: Fri, 17 Jan 2003 09:27:59 -0500  
From: "Ken Simpson, W8EK" <W8EK@fdt.net>  
To: "QRP List" <qrp-l@lehigh.edu>  
Subject: [144818] Electronic keyer FS  
Message-ID: <NGBBLMCL0LBPLBFNJPMAEJOCOAA.W8EK@fdt.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For Sale:

MFJ 422 electronic keyer.  
This is the keyer that uses the Curtis chip as the keyer,  
but includes sidetone, and has adjustments for volume,  
tone frequency, and weighting, as well as speed. Can  
be used in fully automatic mode, or semi-automatic like  
a bug. It will key either positive or negative voltages,  
and is powered by an internal 9 V battery, or external  
5 to 9 volt supply. It is made to go on the back of a  
Bencher Paddle. \$ 60 plus shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson  
E-mail to W8EK@fdt.net or W8EK@arrl.net  
Voice Phone (352) 732-8400

-----  
Date: Fri, 17 Jan 2003 08:39:27 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: <kfglynn@mindspring.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [144819] Re: Do You Use a Foot Switch?  
Message-ID: <Pine.LNX.4.33.0301170838380.27600-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

the foot switches from old dictaphone machines make excellent foot switches for the transmit function...and they're usually free...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

On Thu, 16 Jan 2003 kfglynn@mindspring.com wrote:

> Hi gang,  
>  
> I want to purchase a foot switch and was wondering if anyone bothers, with  
> most of being CW ops and all.  
>  
> Heil offers two but I can't seem to find much else out there.  
>  
> Thanks for the help.  
>  
> 72 Kevin N2TO  
> Brooklyn, NYC  
> kfglynn@mindspring.com  
>

-----  
Date: Fri, 17 Jan 2003 08:59:36 -0600  
From: "Freeberg, Scott (STP)" <Scott.Freeberg@guidant.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [144820] WTB: Hammarlund MC-35-S Variable Capacitor  
Message-ID: <42ECC21B33DFF245BAFAF57274BA5CE5580937@stpmse04.ad.guidant.com>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

I am looking to buy two Hammarlund MC-35-S variable capacitors, these =  
are 35 pf panel mount variable, they have a 1/4" shaft on the front, =  
plus a tiny bit of shaft on the back which will barely accept a 1/4' " =  
coupling to gang these. One is in the RF amp shield and is ganged to =  
the 2nd which is in the detector shield. The caps are for a 1933 George =  
Grammer receiver project. Please check your junk box. I appreciate the =  
help. 73,

WA9WFA Scott in Saint Paul Minnesota  
ARRL Life Member, CCA 962, AWA=20  
Licensed since 1967

-----  
Date: Fri, 17 Jan 2003 15:33:15 +0000  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: qrp-1@lehigh.edu  
Cc: n4xy@earthlink.net  
Subject: [144821] Re: Pre-Amps  
Message-ID: <F56ssgnsLs4DLvWfvtF0001afb7@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Ed Tanton (n4xy@earthlink.net) sez:

>Just my two cents... but the very nice preamp on Dr T's website  
><<http://www.home.earthlink.net/~chistrask>> looks pretty easy to me... >at  
>least, as easy, as most designs I've seen. The conversion from the  
>Fair-Right 2843-002-402 core to FT43/whatever might pose a small >problem,  
>but I'm sure it'll be SOMEWHERE.

It is just a type 43 binocular core of small dimensions. I believe that  
QRPer "Diz" stocks the equivalent or you can get a good deal also from Brad  
Thompson, AA1IP (who was, at last check, offering " 2843002402 (binocular  
(balun) core) \$1.00 for 20 pieces ").

His contact info:

Brad Thompson, Bookseller  
P.O. Box 307, 202 Whitaker Rd.  
Meriden, NH 03770-0307  
voice: (603) 469-3351  
fax: (603) 469-3917  
e-mail: brad.thompson@valley.net

Regards,

Brad KG6IOE

-----  
MSN 8 with e-mail virus protection service: 2 months FREE\*  
<http://join.msn.com/?page=features/virus>  
-----



Date: Fri, 17 Jan 2003 10:48:06 -0500  
From: David Hinerman <WD8CIV@worldnet.att.net>  
To: qrp-l@lehigh.edu  
Subject: [144822] Re: Thinking of creating my own kit(s)  
Message-ID: <5.1.1.6.1.20030117103801.00a6cb40@ipostoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

>My questions are:

>

>1. If you are using a circuit that someone else designed, are there royalty  
>fees involved? I would give the designer credit for their design.

Jason,

Any fees are negotiated between you and the circuit's designer. Many different scenarios are possible: 1) He may let you use the design for free if you give him credit in the documentation. 2) He may want a one-time license fee. 3) He may want a royalty, a fee for each unit you sell. Or he may want all three. Or more. But in no case should you try to produce it without his permission.

For designs published in a book, you need to check with the designer on the nature of his agreement with the book's publisher. If the publisher bought all rights to the design, then you have to get permission from them before using it. If the publisher bought only the publication rights, then you should be able to negotiate directly with the designer.

>2. I have the ExpressPCB software installed and may just use them for making  
>the boards. Is there a way to get a couple of them ordered only for testing  
>circuit designs? I am used to software which is easy to revise if needed.  
>However, boards are new to me and revising them is not as easy/cheap.

There are a number of places that do prototype quantities of boards for reasonable prices. "Reasonable" is in the eye of the beholder, though. There was a short thread on the list in the past few months on board houses that do quick turnaround prototypes. I think I recall prices in the \$50 - \$100 range for small quantities (in the 1 to 5 range), but relying on my memory is risky. I'm sure others will recommend board houses. Contact the houses directly for quotes - they may have specials on their Web sites.

Good luck with the effort!

Dave

-----

Dave Hinerman  
WD8CIV@worldnet.att.net

-----  
Date: Fri, 17 Jan 2003 11:00:48 -0500 (EST)  
From: <igeq100@iupui.edu>  
To: QRP List <qrp-l@lehigh.edu>  
Subject: [144823] Foot switch  
Message-ID: <Pine.GS0.3.96.1030117105911.2547C-100000@jade.iupui.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Gang -

All of this talk about foot switches reminds me of the unkind Q  
signal QLF? "Are you sending with your left foot?"

72,  
Rich, WB9LPU

-----  
Date: Fri, 17 Jan 2003 11:07:18 -0500  
From: "Jim" <ku4qw@yahoo.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [144824] Wanted: THP-750  
Message-ID: <000501c2be42\$8354ffe0\$0100000a@jim>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I think that is the name of the radio, it's the little 3 band (40/15/6)  
meter handheld. Anyone have one of these they would like to part with?  
E-mail me direct at ku4qw@yahoo.com

Thanks,  
73,  
Jim - KU4QW

Date: Fri, 17 Jan 2003 11:11:10 -0500  
From: VA3TO <hduff@rogers.com>  
To: QRP-L@Lehigh.EDU  
Subject: [144825] Need F114-61 toroid  
Message-ID: <3E282B1E.C51BCB82@rogers.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Does anyone have one or two F114-61 toroid cores  
kicking around that they can sell me ?

Please contact me direct by e-mail.  
Thanks, Hugh Va3t0

-----  
Date: Fri, 17 Jan 2003 11:15:47 -0500  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [144826] Re: APRS and ARRL contests  
Message-ID: <3E282C33.660765D@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

That was talking about rovers using APRS to let people know when they are in  
a new grid square during VHF contests.

Paul K4FB  
EL97

Alex wrote:

> Hi there,  
>  
> Just a word of caution for you folks who run APRS during ARRL contests,  
> like the upcoming VHF sweepstakes. I just learned from the APRSSIG that  
> Dan Henderson, N1ND, ARRL Contest Branch Manager, has indicated that the  
> "Use of APRS violates the rules against Self Spotting during a contest  
> and is not permissible".  
>

-----

Date: Fri, 17 Jan 2003 11:14:18 -0500  
From: David Hinerman <WD8CIV@worldnet.att.net>  
To: qrp-l@lehigh.edu  
Subject: [144827] BPSK & Class E?  
Message-ID: <5.1.1.6.1.20030117110608.00a70310@ipostoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Folks,

After reading about Class E amplifiers here, I wonder if I can get an expert opinion. A few years ago I was looking at Lowfer operation (160 - 190 kHz no-license) where BPSK seems to have made some inroads. I've seen at least one BPSK transmitter design where the phase of the carrier (a digital square wave) is inverted by the modulating data with an XOR gate. In other words, when the data is 0 the carrier is in-phase, and when the data is 1 the carrier is inverted (or 180 degrees out of phase).

Ordinarily this normal / inverted carrier is fed to a Class C final, then through the usual lowpass filter and matching networks to the antenna.

It seems to me that one could drive a Class E final instead, and get the same impressive efficiency. Am I overlooking something?

Dave

-----  
Dave Hinerman  
WD8CIV@worldnet.att.net

-----  
Date: Fri, 17 Jan 2003 09:33:37 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-l@lehigh.edu  
Subject: [144828] FOX: Wondering  
Message-ID: <Pine.LNX.4.44.0301170924200.2503-1000000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Last evening there was zero propagation between Las Cruces, NM and N1FN in CO. This was no surprise since it's been this way all this season.

There was Very Poor propagation to N0UR in MN but I could tell he was in there, and even copy a few letters when the fade was at a maximum. I called him 5 times, twice when he peaked up to 439 around

0230 UTC. At 0245 he began calling CQ FOX and taking the few guys that could hear him. I called 3 times and on the third call I heard him send my call sign! I didn't copy him at all well, but when he stopped sending I sent him my numbers. When I sent BK, I didn't hear TU, but did hear another station call Jim.

Jim please look in your log around 0245 and see if you heard me.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Fri, 17 Jan 2003 10:26:08 -0600  
From: Jim Giammanco <giamman@rouge.phys.lsu.edu>  
To: qrp-l@lehigh.edu  
Subject: [144829] switching power supply coupon special at RS  
Message-ID: <3.0.1.32.20030117102608.00875b40@rouge.phys.lsu.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Just a heads up on a coupon special at RS...  
Caveat Emptor with respect to duty cycle, RFI, etc. I don't have one and don't plan to buy one, no pecuniary interest in RS etc.....

72  
Jim N5IB

go to:

<<http://www.radioshack.com/Coupons/Coupons.asp>>  
quote from the ad:  
"25-Amp Switching DC Power Supply - Power Mobile CBs, Car  
Stereos And Power Amps, Ham Transceivers And Other 12VDC  
Devices From AC House Current. Lighted On/off Switch, Circuit  
Breaker And Overload Protection. Built-in Cooling Fan.  
Save 50% Off Regular Price With Coupon!  
Catalog Number:22-510  
Regular Price:119.99 - With Coupon: 59.99  
Coupon Redeemable: 1/16/2003 - 1/20/2003"

-----  
Date: Fri, 17 Jan 2003 09:49:03 -0700

On Friday, January 17, 2003 9:14 AM, David Hinerman wrote:

Dave,

Chris

# High Performance Mixers and Amplifiers for RF Communications

IEEE Member #40274515

'-| )\_\_| :. \                      Email: christrask@earthlink.net  
| | | | \ '                      http://www.home.earthlink.net/~christrask  
c\_\_; c\_\_; '-..'>.\_\_

Graphics by Loek Frederiks

-----  
Date: Fri, 17 Jan 2003 08:48:36 -0800  
From: "Ian Wilson" <ianmwilson@earthlink.net>  
To: <WD8CIV@worldnet.att.net>,  
    "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [144831] Re: BPSK & Class E?  
Message-ID: <001001c2be48\$55774dc0\$0b02a8c0@WorkGroup>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Don't see any reason why not. Here's a Lowfer Class E link: [http://www.ussc.com/~turner/mpm\\_class\\_e.html](http://www.ussc.com/~turner/mpm_class_e.html)

73 de ian, k3imw/6

----- Original Message -----  
From: "David Hinerman" <WD8CIV@worldnet.att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, January 17, 2003 8:14 AM  
Subject: BPSK & Class E?

> Folks,  
>  
> After reading about Class E amplifiers here, I wonder if I can get an  
> expert opinion. A few years ago I was looking at Lowfer operation (160 -  
> 190 kHz no-license) where BPSK seems to have made some inroads. I've seen  
> at least one BPSK transmitter design where the phase of the carrier (a  
> digital square wave) is inverted by the modulating data with an XOR gate.  
> In other words, when the data is 0 the carrier is in-phase, and when the  
> data is 1 the carrier is inverted (or 180 degrees out of phase).  
>  
> Ordinarily this normal / inverted carrier is fed to a Class C final, then  
> through the usual lowpass filter and matching networks to the antenna.  
>  
> It seems to me that one could drive a Class E final instead, and get the  
> same impressive efficiency. Am I overlooking something?  
>

> Dave  
> -----  
> Dave Hinerman  
> WD8CIV@worldnet.att.net  
>  
>

-----  
Date: Fri, 17 Jan 2003 11:03:48 -0600  
From: KD5NWA <KD5NWA@cbayona.com>  
To: christrask@earthlink.net,  
    "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [144832] Re: Pre-Amps  
Message-ID: <5.2.0.9.0.20030117103834.00a74b00@pop.cbayona.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I went over to your site some time back and looked at your info on augmentation, my personal opinion was that having an extra transformer in order to keep the power down while still having good characteristics was worth it in my case.

As far as complaints, if someone doesn't like using an extra \$0.15 core for augmentation, then don't, it's not like your forcing persons to use it.

I'm right now designing my own portable CW transceiver and looked at Norton amplifiers for the front end, but when I saw you amp, the first thing I noticed right away was the transistor biasing, your circuit was not putting 300 mw of power into the transistor like others I saw, so it's going in as the front end amplifier. Just my two cents.

> If they don't mind using ten times the DC power to get the same IMP3 and  
>P1dB performance, while sacrificing the NF performance, then they are  
>welcome to do so. Adding a two-winding transformer (which can be purchased)  
>to a circuit that already requires a more demanding 3-winding transformer  
>(which has to be hand-made) is not great step in complexity, so I cannot  
>envision how anyone will take issue with that if they are more concerned  
>with performance.

>  
> There is a fellow in Britain who complained bitterly about my use of  
>transformers in my linearized mixers, while at the same time his mixers with  
>far less performance used the same number of transformers at the same cost.  
>His other complaint was that it was difficult, if not impossible, for people  
>to make their own, which simply is not the case. It's more a matter of  
>ability and applying yourself that matters.



>  
> Good performance in amplifiers and mixers does not require excessive  
> power consumption or exotic parts, just good circuit design techniques.  
>  
> I also get over 95% peak power efficiency in my power amplifiers by  
> using augmentation. Do you suppose that people will avoid that increase in  
> efficiency because there is one additional transformer in the design? I  
> hope not, especially with all the noise that those demanding higher  
> efficiency are making.

>Chris

>

```

>      ,-----,
>      /  What's all this  \
>      / extinct stuff, anyhow? \
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```

High Performance Mixers and  
Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: [chistrask@earthlink.net](mailto:chistrask@earthlink.net)  
<http://www.home.earthlink.net/~chistrask>

Graphics by Loek Frederiks

Cecil  
KD5NWA

-----  
Date: Fri, 17 Jan 2003 12:26:48 -0500  
From: W2AGN <[w2agn@w2agn.net](mailto:w2agn@w2agn.net)>  
To: [k5di@zianet.com](mailto:k5di@zianet.com),  
Low Power Amateur Radio Discussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [144833] Clarification, please.  
Message-ID: <3E27F688.5845.4300181@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On 17 Jan 2003 at 9:33, Karl F. Larsen wrote:

At 0245 he began calling CQ FOX and taking the few guys that  
> could hear him. I called 3 times and on the third call I heard him send  
  
> my call sign! I didn't copy him at all well, but when he stopped  
sending  
> I sent him my numbers. When I sent BK, I didn't hear TU, but did hear  
> another station call Jim.  
>  
> Jim please look in your log around 0245 and see if you heard me.  
>

Just asking a question of the FOX rules committee. In Contests, working  
DX stations, EME, etc, in order to have a contact, the exchanges must be  
sent and acknowledged.

Is it considered suitable acknowledgment for the Fox Hunt to receive it  
via email?

Inquiring minds would like to know.

---  
+---+---+---+---+ John L. Sielke  
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]  
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-----  
  
Date: Fri, 17 Jan 2003 10:43:06 -0700  
From: "Chris Trask" <chrisrask@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,  
"KD5NWA" <KD5NWA@cbayona.com>  
Subject: [144834] Re: Pre-Amps  
Message-ID: <01a601c2be4f\$e55d8380\$fb243941@ctrask>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

> I went over to your site some time back and looked at your info  
> on augmentation, my personal opinion was that having an extra  
> transformer in order to keep the power down while still having  
> good characteristics was worth it in my case.  
>  
> As far as complaints, if someone doesn't like using an extra  
> \$0.15 core for augmentation, then don't, it's not like your  
> forcing persons to use it.

>  
> I'm right now designing my own portable CW transceiver and  
> looked at Norton amplifiers for the front end, but when I saw  
> you amp, the first thing I noticed right away was the transistor  
> biasing, your circuit was not putting 300 mw of power into the  
> transistor like others I saw, so it's going in as the front end  
> amplifier. Just my two cents.  
>

Cecil,

That has been the focus of my designs and subsequent patents, which has been to get much better performance with less power consumption while keeping the circuit complexity to a bare minimum. Adding the augmentation transformer to the Norton amplifier gained an additional 10-15dB of IMD3 and P1dB performance while at the same time keeping the bias current down where the NF is optimal. With augmentation, you can push the transistor right up to the 1dB compression point and still keep the IMD products down to -30dBc or better. If I use active augmentation, the IMD performance is better but the NF degrades slightly. I'm using a combination of the two (tandem augmentation) in my active loop antenna designs and getting the performance characteristics of both.

Same is true for my feedback mixers, where I get the same performance as a Class III diode ring mixer (+17dBm of LO) with considerably less power (-3 to 0dBm of LO) and keeping the NF down to less than 6dB. No other mixer out there can get that performance with that little power.

Chris

```

      ,-----,
     /  What's all this  \
    / extinct stuff, anyhow? \
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```

High Performance Mixers and  
Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: [chistrask@earthlink.net](mailto:chistrask@earthlink.net)  
<http://www.home.earthlink.net/~chistrask>

Graphics by Loek Frederiks

-----  
Date: Fri, 17 Jan 2003 13:47:32 -0500  
From: VA3T0 <hduff@rogers.com>  
To: qrp-l@lehigh.edu  
Subject: [144835] Correction..FT114-61 core needed  
Message-ID: <3E284FC4.9C5CBEB0@rogers.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Oops..I made a typo for the p/n in my first post.  
It's one or two FT114-61 cores that I'm looking for.

Please contact me direct by e-mail.  
Thanks, Hugh Va3t0

-----  
Date: Fri, 17 Jan 2003 13:28:27 -0500  
From: Brian Short <bshort4@cox.net>  
To: Low Discussion <qrp-l@Lehigh.EDU>  
Subject: [144836] Re: APRS and ARRL contests  
Message-ID: <78900FDC-2A49-11D7-9AE6-00306543B616@cox.net>  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Mime-Version: 1.0 (Apple Message framework v551)  
Content-Transfer-Encoding: 7bit

I would think, though, that "spotting" yourself on APRS through a beacon text or bulletin message would not be in keeping with the spirit of the event whether from home or rover.

I would think that keeping an APRS node or weather station which is always active on during the event would not be a problem unless it is somehow made to operate in a way not in keeping with this spirit.

A call sign used to enter an event and to operate APRS during the same period (I believe) does not necessarily violate the spirit, but under certain sufficient conditions APRS operation *\*could\** be not in the spirit of the event (eg roving).

Of course, this may not be the way it is implemented, but this is what would make reasonable sense to me.

On Friday, January 17, 2003, at 11:15 AM, Paul Womble wrote:

> That was talking about rovers using APRS to let people know when they  
> are in  
> a new grid square during VHF contests.  
>  
> Alex wrote:  
>> Just a word of caution for you folks who run APRS during ARRL  
>> contests,  
>> like the upcoming VHF sweepstakes. I just learned from the APRSSIG  
>> that  
>> Dan Henderson, N1ND, ARRL Contest Branch Manager, has indicated that  
>> the  
>> "Use of APRS violates the rules against Self Spotting during a contest  
>> and is not permissible".  
--  
See my web page: <http://www.k7on.com>

-----  
Date: Fri, 17 Jan 2003 14:15:38 -0600  
From: "Jim N0UR" <n0ur@attbi.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [144837] FOX Log N0UR  
Message-ID: <000c01c2be65\$33862980\$6a202942@ce1.client2.attbi.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

Boy that was ugly! I was getting sick of those Canadians sending their  
artic air down over us, but now the  
SSB QRM, its getting a bit much! It sounded like a VE sideband net started  
at the same time I did on 7.043,  
and lasted the first hour. I didn't know what to do, or where to go, so I  
just stuck it out. I knew you were not hearing  
me much better when a number of stations already in the log kept  
calling.....and calling. I did the best I could, sorry to  
the ones I just could not pick out, and thanks to the ones who hung in there  
till I finally did. Here is a copy of the log, may  
not be very clean.

0200	VE6EX	579 599	AB DAN 5W
0201	K7TQ	579 579	ID RANDY 5W
0202	K40AH	579 559	GA RAY 5W
0202	N4ROA	579 559	VA DAN 5W

0203	K0FRP	579	599	CO	AL	5W
0204	VE5RC	579	559	SK	BRUCE	5W
0204	N0TK	559	559	CO	DAN	5W
0205	KR5C	579	579	TX	GEORGE	5W
0206	AC5JH	579	559	OK	TOM	5W
0206	WA8BXN	579	599	OH	MIKE	5W
0207	N1TP	559	559	FL	TOM	5W
0208	N3BJ	579	559	VA	ALAN	5W
0209	K5JHP	579	559	TX	BILL	5W
0210	N4BP	579	559	FL	BOB	5W
0210	K2ZN	559	579	NY	AL	5W
0211	WD9F	579	559	IL	WOODY	5W
0212	KK5LD	559	559	TX	DAN	5W
0213	W5YR	579	559	TX	GEORGE	5W
0213	K9DC	579	559	IN	DAVE	5W
0214	N5WL	559	559	OK	BART	5W
0215	K5EOA	579	559	LA	WAYNE	5W
0217	KI0II	559	559	CO	RON	5W
0217	WB4X	559	599	NC	BRENT	5W
0218	K5SR	579	559	TX	DALE	5W
0218	K5DW	579	559	TX	DON	5W
0219	WS4S	559	559	TN	CONARD	5W
0220	AA50	559	559	LA	VERN	5W
0220	K3IU	579	559	RI	KEN	5W
0221	KB7WW	559	559	OR	ART	5W
0222	W5USJ	579	559	TX	CHUCK	5W
0222	K5FSE	579	599	GA	JACK	5W
0223	K4GT	579	559	GA	JIM	5W
0224	K6VNX	559	559	CA	ARLEN	5W
0225	K4FB	579	569	FL	PAUL	5W
0225	KC2CK	579	599	NY	DON	5W
0226	K3PH	599	599	PA	BOB	5W
0226	AJ4AY	559	559	AL	JAY	5W
0227	AE4Y	559	559	GA	KENT	5W
0227	K3ESE	579	559	MD	LLOYD	5W
0228	W0CH	579	559	MO	DAVE	5W
0229	K5ZTY	559	559	TX	BILL	5W
0229	K0EVZ	559	559	ND	DOC	5W
0230	N5ZE	579	559	TX	LEW	5W
0231	AD6JV	579	559	VA	BILL	5W
0231	N7XY	559	559	WA	BOB	5W
0232	KQ5U	579	559	TX	TERRY	5W
0233	NM5M	579	559	TX	ERIC	5W
0234	W5TB	559	559	TX	DOC	5W
0235	AA3SJ	559	559	PA	ED	5W
0235	KK5NA	559	559	TX	JOE	5W
0236	AB9CA	559	559	AL	DAVE	5W
0236	N3XRV	579	559	PA	CHRIS	5W

0237	VA6RF	559	559	AB	EARL	5W
0238	K5PSH	559	559	TX	JERRY	5W
0239	NK6A	559	559	CA	DON	5W
0240	W4NJK	559	559	CA	CHARLIE	5W
0245	W6ABC	579	579	PA	JACK	5W
0246	K5DI	559	559	NM	KARL	5W
0246	W0UFO	579	559	MN	MERT	5W
0247	NQ7X	559	559	AZ	FLOYD	5W
0248	W2RBA	579	559	NY	JOE	5W
0249	AC7A	559	559	AZ	TOM	5W
0249	KG4LDY	579	559	VA	JIM	5W
0250	AG0T	559	599	ND	TODD	4W
0252	AE4TC	579	579	VA	SCOTT	5W
0253	KB0R	579	579	MN	LARRY	5W
0255	WD5CMN	559	559	TX	KEN	5W
0256	VE6KG	579	559	AB	NORM	5W
0257	K2PQ	579	559	NJ	FRANK	5W
0258	W0IS	579	599	MN	RICK	5W
0259	K4BYF	559	559	FL	JACK	3W
0259	W2AGN	559	559	NJ	JOHN	5W
0300	K7Q0	559	559	AZ	CHUCK	500MW!
0303	W5KDJ	559	559	TX	WAYNE	1W
0304	N9NE	559	599	WI	TODD	5W
0304	VE6JAZ	579	559	AB	ROB	5W
0306	K5AEM	579	559		JON	5W
0309	N0JRN	559	559	MO	JERRY	5W
0310	W9XT	559	559	WI	GARY	5W
0312	W8RU	559	539	MI	RON	5W
0314	W3EEK	599	589	PA	CARL	5W
0315	W0RSP	559	559	AZ	ADE	2W
0316	K0PC	559	559	MN	PAT	5W
0317	KR0U	559	339	CO	TIM	5W
0318	KC1FB	579	559	CT	JIM	500MW!
0320	NG7Z	559	559	WA	PAUL	5W
0323	NV4V	559	559	KY	PETE	5W
0327	K50I	559	559	OK	TIM	5W
0329	K0SQ	599	599	MN	CHUCK	5W
0336	AE7I	559	459	NV	CRAIG	100W
0337	WA9TZE	559	559	WI	JIM	5W
0339	W7KXB	559	559	AZ	BILL	5W
0340	N5IB	579	559	LA	JIM	5W
0341	W3DCG	579	579	GA	DARIN	5W
0342	W7Z0I	559	559	OR	WES	5W
0345	K5TR	559	559	TX	GEO	5W
0346	N2WW	559	559	CO	LARRY	5W
0347	WB6BWZ	579	559	GA	MATT	5W
0350	KF4VTM	579	559	VA	DAN	5W
0353	WE9K	559	559	WI	GLENN	5W

0356	NK9G	559 599	WI RICK 5W
0357	N9AW	559 449	WI JERRY 5W
0400	N1FN	599 599	CO ET FOX
0400	N0UR	599 599	MN JIM FOX

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Date: Fri, 17 Jan 2003 15:38:02 -0500  
From: "John" <jdorson@worldshare.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [144838] FS Mfj 15 meter Cub  
Message-ID: <001201c2be68\$589485c0\$c59a8b41@ATHOME>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Puts out 1 watt with 13.8 v. Rig works FB and comes with original manuals.

Reason for sale is I have just acquired a Mizuho 15 meter rig and don't need two 15 meter rigs.

Asking \$75.00 plus shipping.

If interested please e-mail direct/

Thanks.  
John K2JHU...  
South Island Real Estate  
jdorson@worldshare.net

-----  
Date: Fri, 17 Jan 2003 13:06:45 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-l@lehigh.edu>  
Subject: [144839] Re: Pre-Amps  
Message-ID: <MABBJOEABOILMKCJCLFCEEINDPAA.n6wg@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit



"I'm using a combination of the two (tandem augmentation) in my active loop antenna designs and getting the performance characteristics of both."

Chris

Are these ham loops or something for a commercial application?

If ham, will we see an article describing them?

73, Bob N6WG

-----  
Date: Fri, 17 Jan 2003 13:57:38 -0600  
From: "Merton Nellis" <mertnellis@msn.com>  
To: qrp-l@lehigh.edu  
Subject: [144840] Re: Do you use a footswitch?  
Message-ID: <F4199EXxt5BBBVhyemY00000a1b@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

W.W. Grainger has foot switches. I have used the light duty type made by Conntrol International, Inc. Cost was about \$10. I use it to control a coil winder. It contains both NC and NO contacts within rated 15A 120VAC. Similar to a sewing machine switch.

Usual disclaimers apply. 72/73 Mert W0UFO MNQRP

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The new MSN 8: smart spam protection and 2 months FREE\*  
<http://join.msn.com/?page=features/junkmail>

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Date: Fri, 17 Jan 2003 16:35:18 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [144841] Simple Class E Tx for Sidekick  
Message-ID: <3.0.6.32.20030117163518.007af670@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I just tried out a simple Tx mixer and Class E final which could be used with the Side Kick 40M receivers.

I used a 74HC86 XOR gate for the Tx crystal osc, mixer and to square up the VFO input and Tx band pass filter output to drive a pair of 2N7000's. It's putting out 3.8 W at 12 volts supply with spurs about 40 dB down, well within FCC spec's.

I'm not a big fan of Manhattan style construction, but I'll try to build up the circuit in such a fashion and add a few details which would be needed to make it compatible with the Side Kick. If I have the time, will make up a web page about it over the weekend.

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Sat, 18 Jan 2003 00:26:50 +0300  
From: "Oleg V. Borodin" <master72@lipetsk.ru>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [144842] WW QRP Top List  
Message-ID: <001901c2be70\$5106a600\$bae422c3@user>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="koi8-r"  
Content-Transfer-Encoding: 7bit

Dear OM's!

Russian RU-QRP Club begin to make a World QRP Top List as a table of World's QRPers results.  
You may see this table at RU-QRP Club's site <http://www.qsl.net/rv3gm> Also the List will be send for publish in QQ and SPRAT journals.  
I ask for all you there, send your results for WW QRP Top List with positions:  
- Total wkdcfm QRP DXCC (also separate by CW, SSB, Digital DXCC)  
- Total wkdcfm 2-way QRP DXCC (and separate CW/SSB/Digital)

The Table will update each two weeks.  
Write-down your callsign in QRP-history :-) !  
Send your datas for me or for QRP-List Manager RW3AA directly (Vyacheslav Lukin) to [rw3aa@bk.ru](mailto:rw3aa@bk.ru)

CUL es 72! de RV3GM/QRP Oleg  
RU-QRP Club's Chairman

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Date: Fri, 17 Jan 2003 17:00:02 -0500  
From: Jerry Lofstead <w3cde@bellsouth.net>  
To: giamman@rouge.phys.lsu.edu  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [144843] Re: switching power supply coupon special at RS  
Message-ID: <3E287CE2.C96F066D@bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I use one of the SAMULEX supplies here. it is actually a 22A supply. The voltage is adjustable inside. Some noise on 160 not too bad on other bands, if teh antenna is near it.. If you keep it 20-25 feet from the antenna and use coax, no problems. It is a stout supply and I also use it bulk charge the batteries in the motor home too.

Jerry  
W3CDE

Jim Giammanco wrote:

>  
> Just a heads up on a coupon special at RS...  
> Caveat Emptor with respect to duty cycle, RFI, etc. I don't have one and  
> don't plan to buy one, no pecuniary interest in RS etc.....  
>  
> 72  
> Jim N5IB  
>  
> go to:  
>  
> <<http://www.radioshack.com/Coupons/Coupons.asp>>  
> quote from the ad:  
> "25-Amp Switching DC Power Supply - Power Mobile CBs, Car  
> Stereos And Power Amps, Ham Transceivers And Other 12VDC  
> Devices From AC House Current. Lighted On/off Switch, Circuit  
> Breaker And Overload Protection. Built-in Cooling Fan.  
> Save 50% Off Regular Price With Coupon!  
> Catalog Number:22-510  
> Regular Price:119.99 - With Coupon: 59.99  
> Coupon Redeemable: 1/16/2003 - 1/20/2003"

-----  
Date: Fri, 17 Jan 2003 12:09:54 -0500  
From: "Bruce Shaw AG4NY" <ag4ny@ivwnet.com>  
To: <dave@redhotradio.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [144844] Re: QRPacificon 2003 - Hot News!  
Message-ID: <000201c2be7b\$8c685da0\$efe4e243@ivw3293world.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I used to live in San Ramon. That is a very nice facility. Wish I were still there in CA but only for Pacificon!

72

Bruce Shaw

ag4ny

qrp-l 2192

-----Original Message-----

From: Dave Fifield <dave@redhotradio.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Friday, January 17, 2003 10:02 AM  
Subject: QRPacificon 2003 - Hot News!

>I just heard on a local 70cm repeater that Pacificon  
>2003 is going to be on the weekend of 16/17/18 October  
>(as usual) but that the BIG news is that it's moving!  
>  
>It will be held at the Marriott Hotel in San Ramon!  
>  
>[http://www.interamerika.com/USA-California-SanRamon-MarriottHotel-SanRamon.](http://www.interamerika.com/USA-California-SanRamon-MarriottHotel-SanRamon.htm)  
>htm  
>  
>This is a MUCH better venue IMO - not far from the old  
>venue, but with more space, rooms, parking, facilities etc.  
>Make your reservations early - this year's QRPacificon  
>will be one not to miss!  
>  
>Cheers es 72,  
>Dave Fifield  
>AD6A  
>  
>

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End of QRP-L Digest 2803

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